

**Trade and Industrial Education**  
**Course: Diesel: Preventive Maintenance**  
**Course Code # 5714**  
**1 Credit**

**School Year** \_\_\_\_\_

**Term:** \_\_\_\_ **Fall** \_\_\_\_ **Spring**

Student:	Grade:
Teacher:	School:
Number of Competencies in Course: 39	
Number of Competencies Mastered:	
Percent of Competencies Mastered:	

**STANDARD 1.0: Students will demonstrate leadership, citizenship, and teamwork skills required for success in the school, community, and workplace.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Demonstrate positive leadership and ethical work skills.			
1.2	Illustrates the theme of SkillsUSA-VICA as an integral part of classroom instruction.			
1.3	Assess situations and apply problem-solving and decision-making skills to per and family relationships.			
1.4	Demonstrate the ability to work as a team member in a professional setting.			

**STANDARD 2.0: Students will demonstrate diesel technology safety practices, including Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) requirements for a diesel repair facility.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1	Determine the safe and correct application for chemicals used in a diesel repair facility.			
2.2	Use protective clothing and safety equipment.			
2.3	Use fire protection equipment.			
2.4	Follow OSHA and EPA regulations affecting diesel service technology.			
2.5	Respond to safety communications.			
2.6	Pass with 100 % accuracy a written examination relating to safety issues.			
2.7	Pass with 100% accuracy a performance examination relating to safety.			
2.8	Maintain a portfolio record of written safety examinations and equipment examinations for which the student has passed an operational checkout by the instructor.			

**STANDARD 3.0: Students will demonstrate proper procedures for inspecting vehicle engine systems.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Inspect the vehicle engine.			
3.2	Inspect the fuel system.			
3.3	Inspect the air induction and exhaust system.			
3.4	Inspect the cooling system.			
3.5	Inspect the lubrication system.			

**STANDARD 4.0: Students will demonstrate proper procedures for inspecting vehicle cab and hood.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Inspect instruments and controls.			
4.2	Inspect safety equipment.			
4.3	Inspect hardware.			
4.4	Inspect heating, ventilation, and air conditioning (HVAC).			

**STANDARD 5.0:****Students will demonstrate proper procedures for inspecting vehicle electronics and electrical systems and components.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Inspect vehicle battery and starting systems.			
5.2	Inspect vehicle charging system.			
5.3	Inspect vehicle lighting system.			

**STANDARD 6.0: Student will demonstrate proper procedures for inspecting vehicle frames and chassis.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Inspect air brakes			
6.2	Inspect hydraulic brakes			
6.3	Inspect drive train.			
6.4	Inspect suspension and steering systems.			
6.5	Inspect tires and wheels.			
6.6	Inspect frame and fifth wheel.			

**STANDARD 7.0: Students will demonstrate communication skills required in the diesel service industry.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	Communicate and comprehend oral and written communications related to diesel preventive maintenance.			
7.2	Solve problems and make decisions using a logical process			
7.3	Use teamwork skills to accomplish goals, solve problems, and manage conflict within a group.			

**STANDARD 8.0: Students will demonstrate interpersonal and employability skills required in the diesel service industry.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
8.1	Develop interpersonal skills that incorporate relationships between work ethics and organizational and personal job success.			
8.2	Cultivate attitudes conducive to success in all areas of life.			
8.3	Maintain a neat and orderly work area.			
8.4	Comprehend diversity that effects the classroom and workplace.			
8.5	Exhibit positive employability behaviors and skills.			
8.6	Organize and manage individual time to enhance work sequencing skills.			

Additional Comments \_\_\_\_\_